

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIA412-101 REV. F OR LATER APPROVED REVISIONS AND  
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA412-101 REV. E OR LATER APPROVED REVISIONS

REF. TCCA STC: SH21-30  
REF. FAA STC: SR02289LA  
REF. EASA STC : 10061316  
REF. JCAB STC-520-TYO

## 1.0 PURPOSE

It has come to Dart's attention that on some aircraft, the Breakaway Tip of the Lower Cutter Assembly may interfere with existing mission critical equipment installed on the aircraft. The purpose of this Dart Service Instruction (DSI) is to support the removal of the Lower Cutter Assembly Breakaway Tip and eliminate the interference.

## 2.0 REMOVAL OF BREAKAWAY TIP

2.1 With reference to Figure 1, It is acceptable to remove the P/N 647.3913 or 647.3914 Breakaway Tip by drilling out and removing the P/N 601.3074 rivets that secure the Breakaway Tip to the 647.3901 or 647.3902 Deflector of the Lower Cable Cutter Assembly. Remove qty(2) Rivet P/N 601.3074 on Deflector P/N 647.3901 or qty(3) Rivet P/N 601.3074 on Deflector P/N 601.3092.

2.2 Remove rivet shavings and clean off sealant.

2.3 Inspect parts and finish on parts per Section 5.3.2 of ICA412-101.

2.4 Make an entry into the aircraft logbook to indicate removal of the Lower Cutter Breakaway Tip per DSI 9903 and adjust Aircraft Weight and Balance with the Weight and Balance information provided in Section 4.0 of this DSI.

## 3.0 REINSTALLATION OF BREAKAWAY TIP

3.1 If no equipment interferes with the installation of the Breakaway Tip, it is acceptable to reinstall per Section 5.3.3 of the ICA412-101 by replacing Rivet P/N 601.3074 with MS27039-1 Screws, NAS1149D0332J Washers, and MS21042L3 Nuts per Figure 2. Apply RTV (Loctite 598 or equivalent) to all faying surfaces. Torque screws 20-25 in-lbs (2.2-2.8 N.m).

3.2 Make an entry into the aircraft logbook to indicate that the Lower Cutter Breakaway Tip has been installed per DSI 9903 and adjust Aircraft Weight and Balance with the Weight and Balance information provided in Section 4.0 of this DSI.

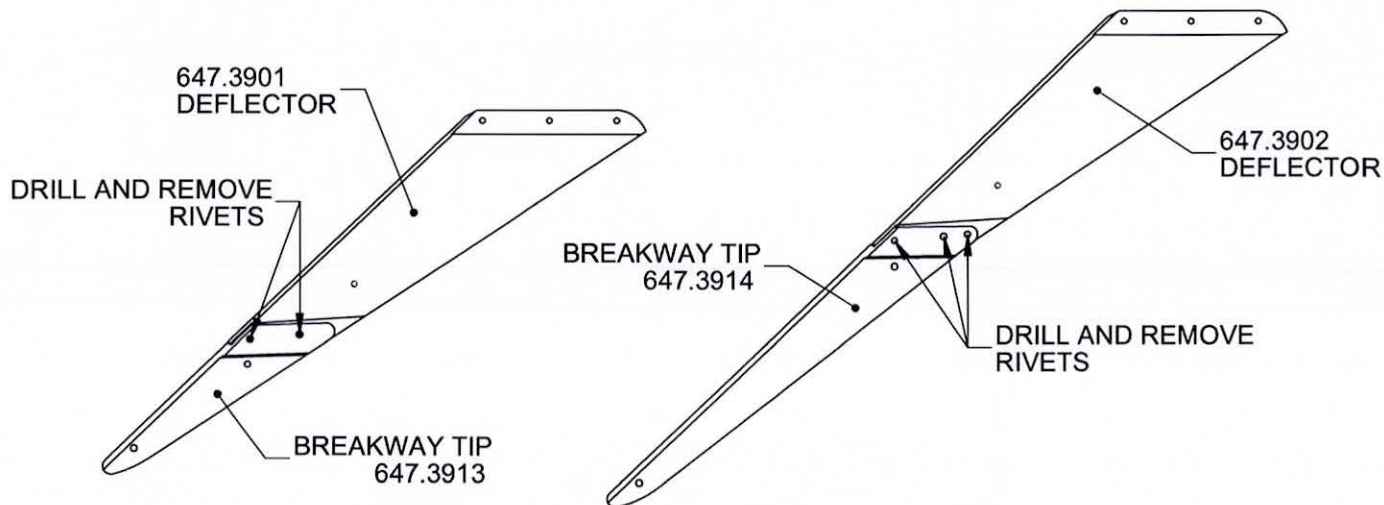
CANADA  
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DAO # 01-O-01

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BY:   
D. SHEPHERD (DE # 02)

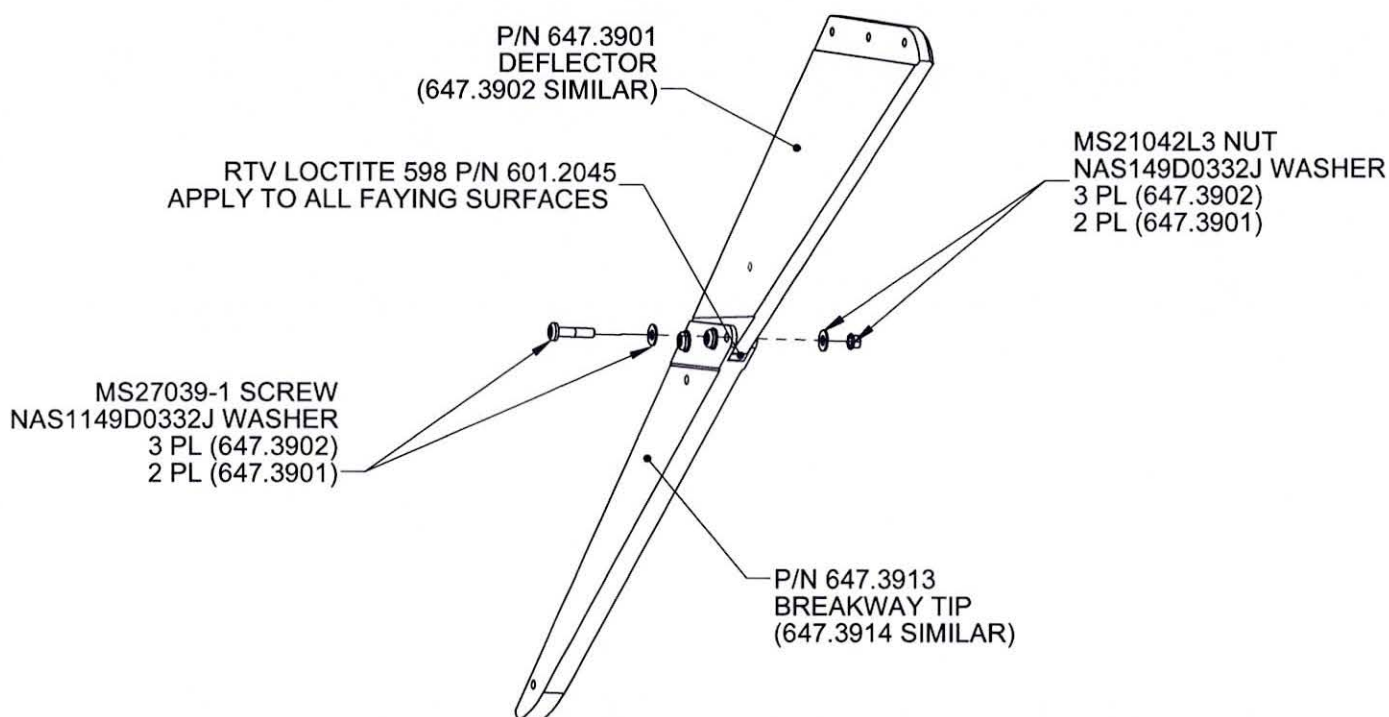
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**FIGURE 1: REMOVAL OF BREAKAWAY TIP**



**FIGURE 2: RE-INSTALLATION OF BREAKAWAY TIP**

#### 4.0 WEIGHT AND BALANCE

P/N	Weight	Long Arm	Long Moment
<b>647.3913</b> Breakaway Tip	0.40 lbs 0.18 kg	27.7 In 0.70 m	11.1 lb-in 0.13 Kg-m
<b>647.3914</b> Breakaway Tip	0.83 lbs 0.38 kg	26.8 In 0.68 m	22.2 lb-in 0.26 kg-m

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